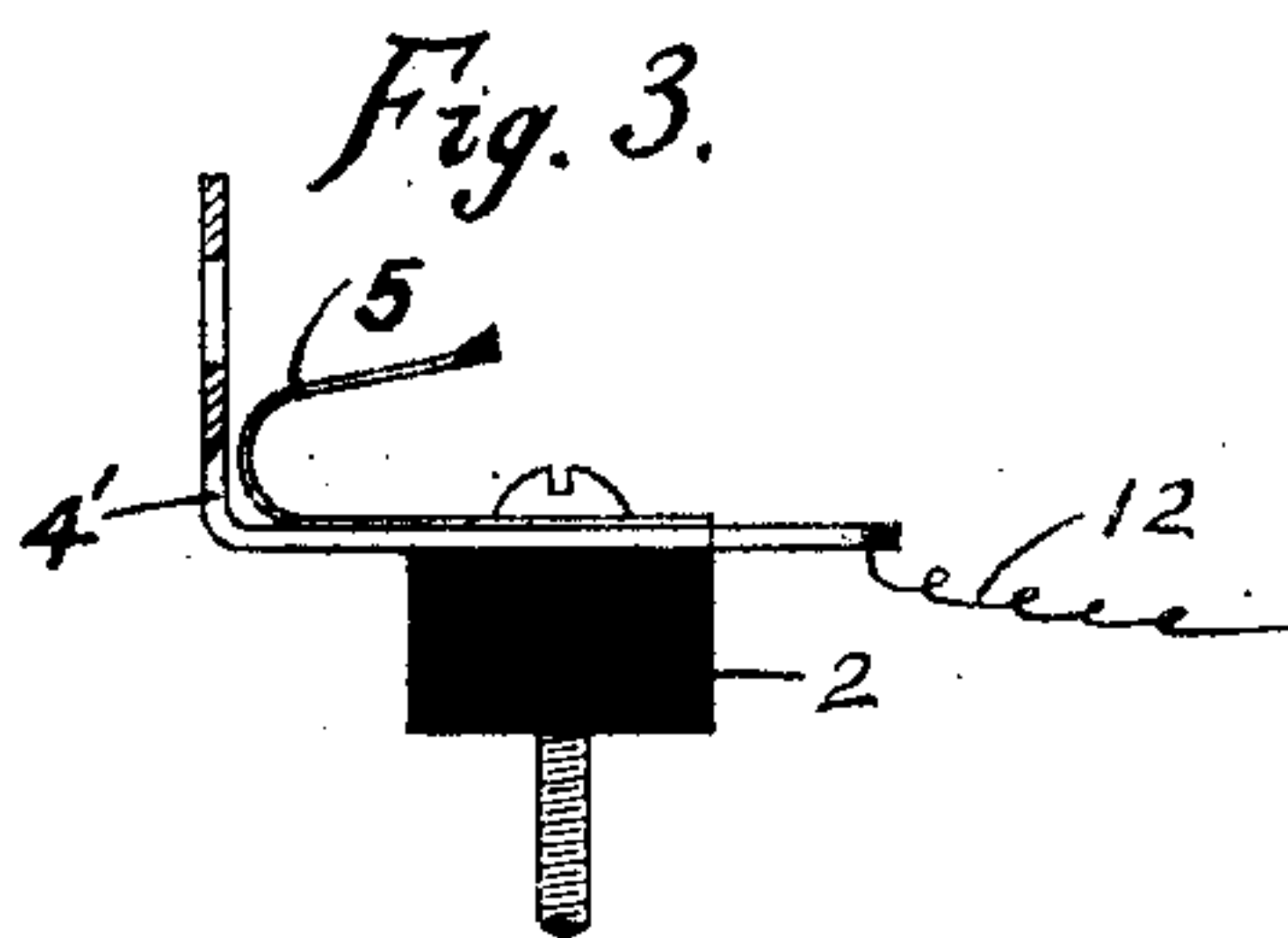
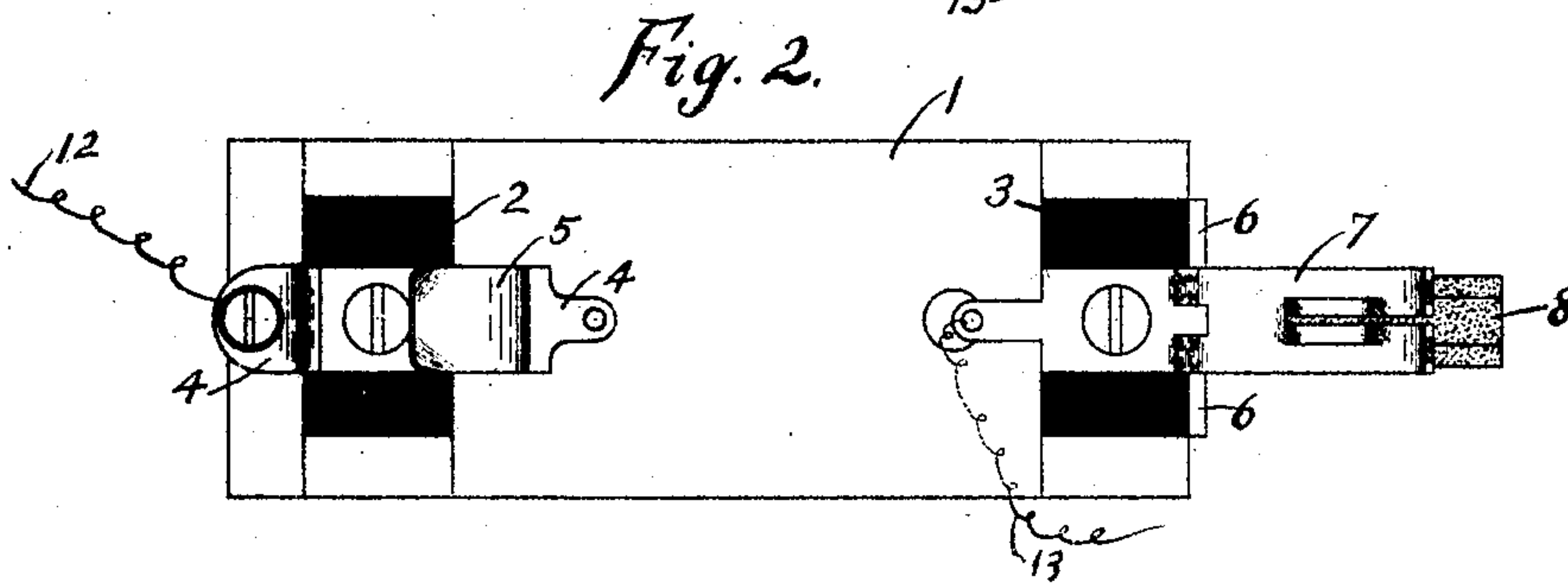
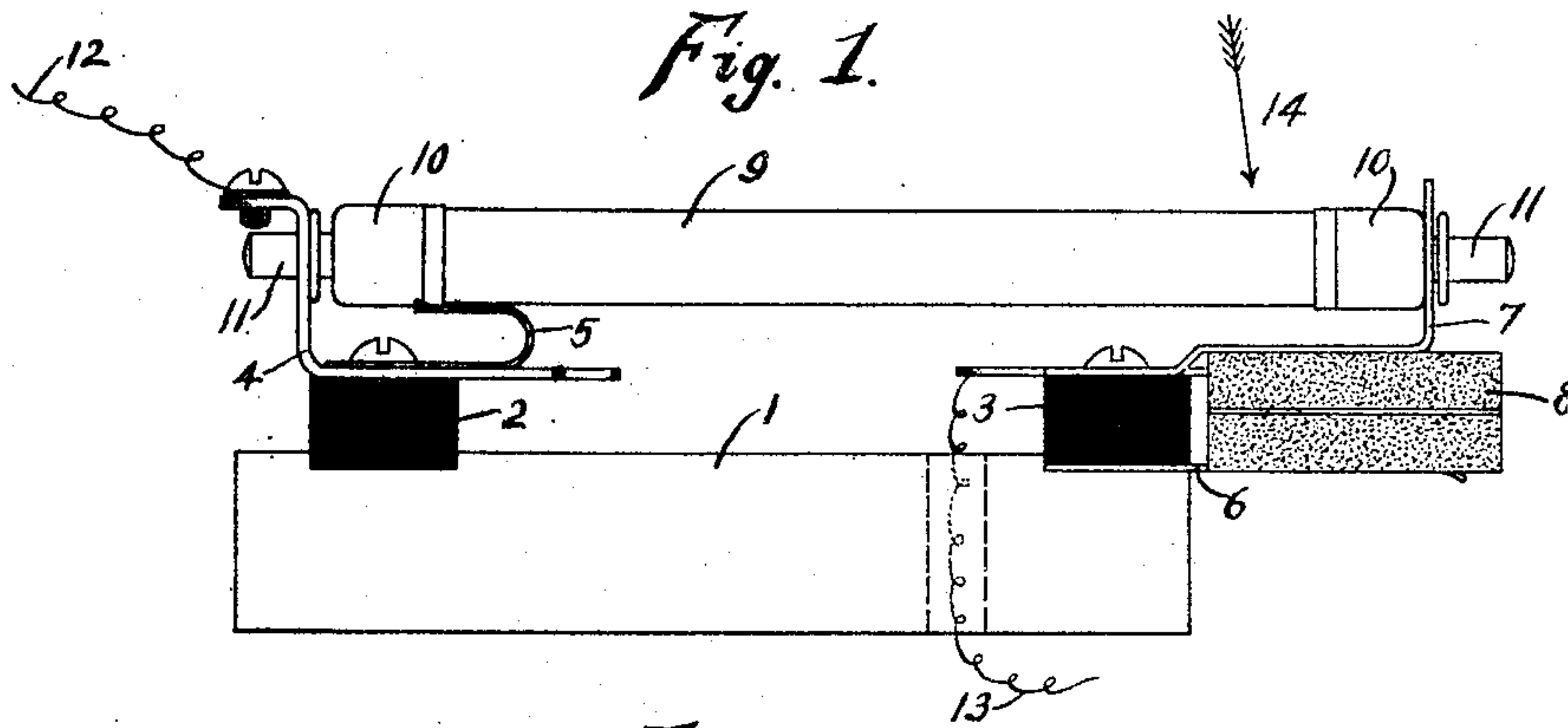


No. 842,738.

PATENTED JAN. 29, 1907.

C. E. WHITE.  
FUSE MOUNT.

APPLICATION FILED APR. 19, 1906.



WITNESSES:

Frederick R. Parker.  
J. W. Gander

INVENTOR:

Chas E White

# UNITED STATES PATENT OFFICE.

CHARLES E. WHITE, OF CHICAGO, ILLINOIS, ASSIGNOR TO FRANK B. COOK,  
OF CHICAGO, ILLINOIS.

## FUSE-MOUNT.

No. 842,738.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed April 19, 1906. Serial No. 312,687.

*To all whom it may concern:*

Be it known that I, CHARLES E. WHITE, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Fuse-Mount, of which the following is a specification, reference being had to the accompanying drawings, illustrating same.

My invention relates to means for clamping electrical fuses in place in suitable electrical circuits, and more particularly to spring clamping means adapted to automatically hold such fuses in place.

The principal objects of my invention are to provide improved spring clamping means for clamping a terminal of a fuse in place by placing the latter under binding stresses, to arrange the spring clamping means to increase the efficiency of the connection with the fuse, and to provide durability and simplicity in such a device.

Referring to the accompanying drawings, illustrating the preferred form of my invention, Figure 1 is a side elevation of a fuse and the clamping means therefor. Fig. 2 is a plan view of Fig. 1 with the fuse removed, and Fig. 3 is a side elevation of a modified form of spring clamping means.

Like characters refer to like parts in the several figures.

The base 1, preferably of insulating material, carries the two insulating mounting-pieces 2 and 3. Mounting-piece 2 carries a rigid terminal portion 4 and a flexible spring member 5, preferably formed as shown and rigidly mounted to the mounting-piece 2. The terminal portion 4 is adapted to accommodate an electrical conductor leading thereto in any suitable manner. Mounting-piece 3 has a metallic contact-strip 6 secured between it and the base 1 and carries a spring contact member 7, rigidly mounted thereon. A lightning-arrester 8 is preferably inserted between contact members 6 and 7. The tubular or inclosed fuse 9 is provided with suitable end caps 10 10 and projecting portions 11 11 thereon. The main-line conductors 12 and 13 are suitably connected to portions 4 and 7, respectively, so as to connect the fuse 9 in circuit therewith when same is held in the position shown in Fig. 1.

In clamping the fuse 9 in place in its

mountings a projecting portion 11 is first inserted through a hole in the terminal portion 4, somewhat larger than the portion 11, and then the other end of the fuse 9 is depressed into a slot in spring 7, which slot is adapted to tightly grip the fuse-terminal, and thereby securely hold same therein. When the fuse is depressed in the direction of arrow 14, the flexible contact-spring 5 engages a portion of the metal terminal 10 and is thereby placed under tension, so as to make good electrical connection with the terminal 10 and at the same time produce a lateral stress thereon. This causes the projecting portion 11 to firmly engage the rigid portion 4 in the hole therein. The forces impressed on the fuse-terminal 10 firmly secure the fuse in place and make a very efficient electrical connection for same. The free end of spring 5 may be formed to conform to the terminal 10, if desired. The spring 7 firmly grips its terminal 10 to prevent the lateral stress on the opposite end of the fuse from throwing the latter out of circuit. The flexible spring member 5 may be turned in the direction shown in Fig. 3, if desired. The effect produced by this arrangement is the same as that produced by the arrangement in Fig. 1.

I do not wish to limit this invention to the exact details of construction as herein shown, as slight modifications may be made therein without departing from the principles involved.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A tubular fuse provided with suitable connection-terminals, and means adapted to clamp the fuse in circuit, comprising a rigid portion through which a portion of a terminal is inserted, and a flexible spring member adapted to bear laterally against the last-mentioned terminal.

2. A tubular or inclosed fuse provided with suitable terminals, a rigid contact member through which a portion of a terminal is inserted, a spring member adapted to engage the other terminal, and a flexible spring member adapted to bear laterally against one of the terminals for purposes substantially as described.

3. A tubular or inclosed fuse provided with suitable terminals, conducting portions through which the terminals extend, and



means bearing laterally against the fuse toward the longitudinal axis thereof to securely hold the fuse in place.

4. An inclosed fuse provided with suitable  
5 terminals, and means for clamping the fuse in circuit comprising a portion through which a portion of a terminal may be inserted, and a flexible spring member adapted to bear laterally against the last-mentioned terminal.

10 5. An inclosed fuse provided with suitable terminals, means engaging the terminals and substantially holding the fuse in alinement,

and means bearing laterally against the fuse toward the longitudinal axis thereof to clamp the fuse in place.

As inventor of the foregoing I hereunto  
subscribe my name, in the presence of two  
subscribing witnesses, this 17th day of April,  
1906.

CHAS. E. WHITE.

Witnesses:

FREDERICK R. PARKER,  
F. W. PARDEE.